Avocent™

The Power of Being There™

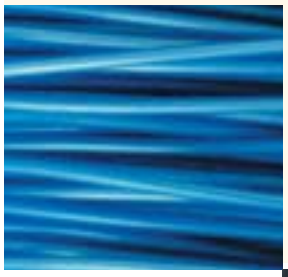
AutoView & OutLook:
KVM Access and Control

AutoView Series • OutLook Series

THE POWER OF
KVM Switching

Avocent's AutoView and OutLook KVM switches deliver simple, reliable and convenient KVM switching to virtually any server in your network.

These KVM switches provide easy server selection and advanced manageability. With Avocent's powerful AutoView and OutLook KVM switches, your choices for easier access and increased control have never been better.



AutoView and OutLook Products at a Glance

	Users	Ports	Platforms	Key Features
AutoView 2000	Dual	16	PC, Sun, USB	CAT 5 connections Multi-platform Advanced on-screen management
AutoView	Single	4, 8, 16	PC	Single point control
AutoView 200	Dual	4, 8	PC	Embedded extension technology
AutoView 400/416/424	Dual	4, 8, 16, 24	PC, Sun, USB	Multi-platform support
OutLook 180ES	Single	8	PC	Controls up to 128 computers from one console
OutLook 1160ES	Single	16	PC, Sun	Multi-platform support with adapters
OutLook 2160ES	Dual	16	PC	Dual user support with on-screen management
OutLook 4160ES	4	16	PC	Multi-server access and control with convenient on-screen management

NEW AutoView 2000 Switch with Smart Cable Interface

AutoView
Product Series

Multi-Server Control and Extension Technology

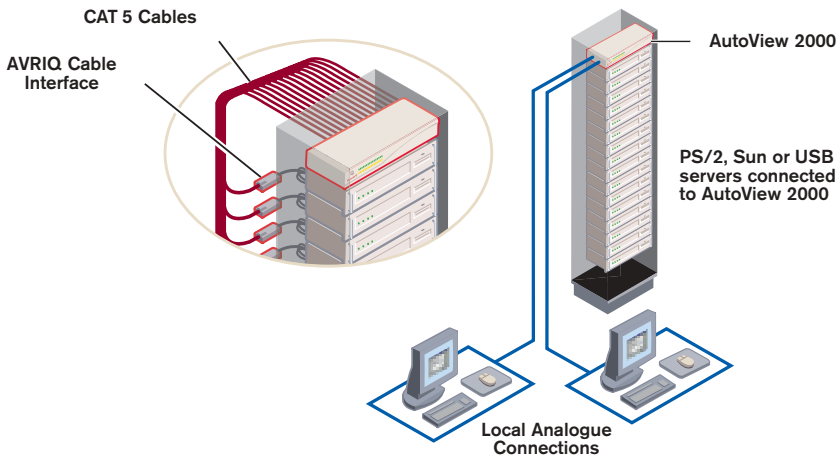
The versatile AutoView KVM switches add flexibility and performance to your network. The multi-platform, 16-port **AutoView 2000** integrates Avocent's field-proven analogue KVM switching technology with advanced cable management, enhanced access and a patented next-generation user interface. The AutoView 2000 provides flexible access at the rack for two simultaneous users, eliminates cable bulk with Avocent's AVRIQ CAT 5 designed cable interface and provides convenient on-screen management with the OSCAR GUI. A unique benefit of the AutoView 2000 is the AVRIQ smart cable interface. The AVRIQ CAT 5 designed cable interface automatically assigns and retains unique server names for each attached server, which simplifies installation and eases re-configuration. The AutoView 2000 KVM switch supports all major server platforms and the OSCAR user interface allows for full system administration.

AutoView, the product suite's cornerstone, provides user-friendly on-screen display with 14-character naming capabilities and two-level security. This KVM switch offers switching methods from either the keyboard, front panel or the on-screen display and its advanced hot pluggability makes it easier to add, remove and swap channels without powering down your servers. The Keep Alive feature allows attached servers to continue network functions in the event of an AutoView power failure. Keyboard and mouse emulation processing power is provided through the keyboard connection on the servers. This prevents the attached computers from locking up and keeps you from losing time and data.

AutoView 200 provides the benefit of two simultaneous users and built-in extension capability - up to 150 metres away. With AutoView 200, two users can view information on a single server at the same time. The powerful, multi-platform **AutoView 400** uses Avocent's embedded LongView extension technology. This built-in extension technology provides extended access capabilities using a single CAT 5 cable.

Highlights

Features	Benefits
OSCAR User Interface	AutoView 2000 next-generation, on-screen GUI provides full system administration
1U Design	Rack mountable design saves space
Smart Cable Interface	AutoView 2000 AVRIQ cable interface eases installation, re-configurations and upgrades
Extension Technology	AutoView 200/400 add a second user from up to 150 metres away
Multi-platform Support	AutoView 200/400/2000 support all major server platforms
On-screen Display	Easy system administration
Flash Upgradeable	AVRIQ cable interface one click, simultaneous updates for all connected AVRIQ cables
Hot Pluggable	Add/remove servers without powering down


CAT 5 Cables
AVRIQ Cable Interface
AutoView 2000
PS/2, Sun or USB servers connected to AutoView 2000
Local Analogue Connections

In this configuration, the AutoView 2000 provides local analogue connections for two simultaneous users. AutoView 2000 uses the AVRIQ smart cable interface for simple installation, easy re-configurations and reduced cable bulk. The OSCAR user interface provides convenient server selection and switching operations.

AutoView 2000

AutoView

AutoView 200

AutoView 400

AutoView 416

AutoView 424

AutoView 2000 Switch and AVRIQ Cable Interface

Specifications

AutoView 2000, AutoView, AutoView 200, AutoView 400/416/424

MECHANICAL	Height	Width	Depth	Weight
AutoView Units	1.7" (4.5 cm)	17.2" (43.7 cm)	6.5" (15.61 cm)	4.8 lbs (1.91 kg)

ENVIRONMENTAL / POWER / HARDWARE	
Operating Temperature	41° (5°C) to 104° (40°C)
Storage Temperature	-4° (-20°C) to 122° (50°C)
Power Requirements	100 - 240 VAC, 50 - 60 Hz
Supported Hardware - Computer	IBM PC/AT, PS/2 and 100% compatibles
Supported Hardware - Video Modes	XGA, XGA-II with adapter, 1600 x 1200 @ 85 Hz resolution
Supported Hardware - Peripherals	**AutoView:** PS/2 keyboard, PS/2 mouse, IntelliMouse (PS/2 only) **AutoView 2000, AutoView 200 and AutoView 400/416/424:** PS/2 keyboard, PS/2 mouse, Microsoft Explorer mouse, Microsoft IntelliMouse family, IBM Scrollpoint, Logitech Mouseman Wheel, Logitech Trackman Marble Wheel, Logitech Marble FX and Kensington 4-button mouse **AutoView 400/416/424:** Sun Type 5 and Type 6
Warranty	Two Year

Ordering Information

SWITCH	
AutoView 2000	
AV2000-EU	Dual local users, 16-port with GUI
AutoView	
AV4C-EU	Single user, 4-port
AV8C-EU	Single user, 8-port
AV16C-EU	Single user, 16-port (two AutoView switches with linking cables)
AutoView 200	
AV200-4-EU	Single user, 4-port
AV200-8-EU	Single user, 8-port
AV200R-4-EU	Dual user, 4-port with extended receiver
AV200R-8-EU	Dual user, 8-port with extended receiver
AutoView 400	
AV400-4-EU	Single user, 4-port
AV400-8-EU	Single user, 8-port
AV400R-4-EU	Dual user, 4-port with extended receiver
AV400R-8-EU	Dual user, 8-port with extended receiver
AutoView 416	
AV416-EU	Single user, 16-port
AV416R-EU	Dual user, 16-port with extended receiver
AutoView 424	
AV424-EU	Single user, 24-port
AV424R-EU	Dual user, 24-port with extended receiver

CABLE INTERFACE	
AutoView 2000	
AVRIQ-PS2	Interface module for VGA, PC keyboard, PC mouse with CAT 5 connection
AVRIQ-USB	Interface module for VGA, USB keyboard/mouse with CAT 5 connection
AVRIQ-VSN	Interface module for VGA, Sun keyboard/mouse with CAT 5 connection
AVRIQ-WSN	Interface module for 13W3, Sun keyboard/mouse with CAT 5 connection

CABLES	
AutoView and AutoView 200	
CUFC PC/Universal	6, 8, 15, 30 feet
CIFCA PS/2/VGA	4, 8, 15, 30 feet
CDUAL-0	Linking cable joining two AutoView switches
AutoView 400	
CUFC PC/Universal	6, 8, 15, 30 feet
CIFCA PS/2/VGA	4, 8, 15, 30 feet
CUSB - USB/VGA	4, 8, 12 feet
CVSN - Sun/VGA	4, 8, 15, 30 feet
CWSN- Sun/13W3	4, 8, 15, 30 feet
AutoView 416/424	
CUSBM - USB/VGA	4, 8, 12 feet
CIFCM - PS/2/VGA	4, 8, 15, 30 feet
CVSNM - Sun/VGA	4, 8, 15, 30 feet
CWSNM- Sun/13W3	4, 8, 15, 30 feet

ACCESSORIES	
AutoView 2000	
RMK-38	Rack mount kit
AutoView	
RMK-33	Rack mount kit (4 and 8-port models)
AutoView 200	
RMK-34	Rack mount kit (4 and 8-port models)
AVRU-EU	LongView extended receiver
AutoView 400/416/424	
VAD-13	Sun monitor to VGA adapter
RMK-34	Rack mount kit (4 and 8-port models)
AVRU-EU	LongView extended receiver

OutLook
Product Series

Simple KVM Access with Increased Control

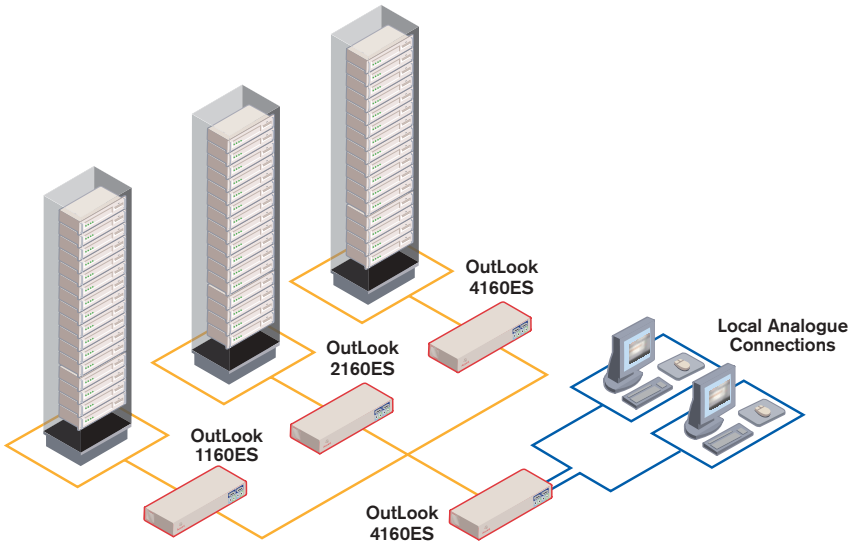
With advanced on-screen menuing, the OutLook KVM switches offer simple point and click access to your servers. OutLook's extensive functionality also includes programmable naming, scanning, security and system broadcast features. The 8-port **OutLook 180ES** is a single-user system that controls up to 128 computers from a single console. The 16-port **OutLook 1160ES** accommodates PC and Sun platforms and supports Intel, Sun, Macintosh, HP-9000, RS-6000 and Windows NT. The **OutLook 2160ES** supports dual users and provides extensive multi-server access. The **OutLook 4160ES** controls up to 256 computers from one console and supports four users.

For advanced access and control, OutLook uses the patented OSCAR on-screen configuration and reporting GUI. The OSCAR interface provides a Windows-like GUI to control all administrative functions and settings. OSCAR uses intuitive menus for system configuration and server selection and provides server status information at a glance. OSCAR also supports multi-platform server environments and includes support for multiple languages. With OSCAR, users easily benefit from convenient server identification and selection. Administrators can establish preferred user-defined naming conventions to create server lists and locate servers.

OutLook KVM switches are designed to optimise valuable space, time, power and hardware in the most extreme conditions. The OutLook is highly scalable and accommodates multiple users and computers as the server population grows. The 1U high-density design conserves valuable rack and server space, while providing improved cable management to minimise unnecessary cable bundles.

Highlights

Features	Benefits
OSCAR User Interface	On-screen GUI provides full system administration
1U Design	Rack mountable design saves space
Multi-language Support	OSCAR supports French, German, Italian, Spanish and Portuguese languages
Scalability	Seamless integration with existing network infrastructure
Flash Upgradeable	Fast and easy updates
High Density System	Convenient cable management eliminates unnecessary cable bundles



This configuration illustrates the OutLook 1160ES, 2160ES, and 4160ES attached to 48 PCs. OutLook includes the OSCAR user interface, which provides intuitive menus for easy configuration and server selection.

OutLook 180ES

OutLook 1160ES

OutLook 2160ES

OutLook 4160ES

Specifications

OutLook 180ES, OutLook 1160ES, OutLook 2160ES, OutLook 4160ES.

MECHANICAL	Height	Width	Depth	Weight
OutLook Units	1.7" (4.5 cm)	17" (43.2 cm)	8.0" (20.3 cm)	5.7 lbs (2.6 kg)

ENVIRONMENTAL / POWER / HARDWARE	
Operating Temperature	32° (0°C) to 158° (70°C)
Storage Temperature	-40° (-4°C) to 185° (85°C)
Power Requirements	100 - 240 VAC, 50 - 60 Hz
Supported Hardware - Computer	**OutLook 180ES, OutLook 1160ES, OutLook 2160ES, OutLook 4160ES:** RISC System 6000TM, PC, Apple Macintosh, HP9000 with adapters, IBM PC/AT, PS/2 and 100% compatibles
Supported Hardware - Video Modes	VGA, SVGA, XGA 1600 x 1200 @ 72 Hz resolution
Supported Hardware - Peripherals	PS/2 keyboard, PS/2 mouse, IntelliMouse (PS/2 only)
Warranty	Two Year

Ordering Information

SWITCH	
OutLook 180ES	
180ES-INT	Single user, 8-port with GUI
OutLook 1160ES	
1160ES-INT	Single user, 16-port with GUI
OutLook 2160ES	
2160ES-INT	Dual user, 16-port with GUI
OutLook 4160ES	
4160ES-INT	4 user, 16-port with GUI

CABLES	
OutLook 180ES	
CO single shealth locking	3, 7, 12, 20 feet
CZ locking cable	50 feet
CZ extension cable	7, 12 feet
OutLook 1160ES, OutLook 2160ES, OutLook 4160ES	
COL dual interconnection	3, 7, 12, 20, 40 feet

ACCESSORIES	
OutLook 180ES, OutLook 1160ES, OutLook 2160ES, OutLook 4160ES	
BR-11SB	Rack mount kit
CB-0011	PS/2-AT keyboard adapter
ELC-11KM	Keyboard/mouse adapter
ELC-11ST	Sun adapter
ELC-11RVA	RS6000 adapter
ELC-11RVB	HP9000 adapter
ELC-12KM	Mac adapter
ELC-15TE	ASCII adapter

OutLook 4160ES Switch and OSCAR GUI

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The Power of Being There™

THE POWER OF
KVM Switching

AutoView 2000
Advanced cable management, multi-platform support and a convenient user interface

AutoView
On-screen display with 14-character naming capabilities

AutoView 200
Supports a second user from up to 150 metres away

AutoView 400
Provides support for PC, Sun and USB platforms - 8 ports

AutoView 416
Provides support for PC, Sun and USB platforms - 16 ports

AutoView 424
Provides support for PC, Sun and USB platforms - 24 ports

OutLook 180ES
Controls up to 128 computers from a single console

OutLook 1160ES
Supports multiple platforms and multiple languages

OutLook 2160ES
Supports pre-emptive and cooperative switching modes

OutLook 4160ES
Controls up to 256 computers from a single console

About KVM
KVM stands for keyboard, video and mouse. KVM switching systems provide access and control of multiple racks of servers from a single console, as well as control from remote locations. These switches eliminate extra keyboards, monitors and mice and allow businesses to save critical space in their data centres. KVM solutions also provide extended cabling distances and console signal conversion.

About Avocent
Avocent is the leading worldwide supplier of KVM switching and connectivity solutions that provide IT managers with access and control of multiple servers and network data centre devices. Avocent was formed in July 2000 by the merger of leading industry innovators Cybex Computer Products Corporation and Apex Inc. Avocent's KVM solutions are distributed by the world's largest server manufacturers and installed in Fortune 100 companies around the world.

Headquartered in Huntsville, Alabama, Avocent has locations in Redmond, Washington; Sunrise, Florida; Chelmsford, Massachusetts; Austin, Texas; Shannon, Ireland; London, England; Steinhagen, Germany; Tokyo, Japan; Singapore and China.

Avocent's Product Portfolio
Avocent's broad product portfolio includes data centre solutions such as: AMX, AutoView, CPS, DS1800, DSR, LongView, OutLook, SPC, SwitchView and XP. Learn more about Avocent's full range of switching, extension, power management and remote IP solutions at www.avocent-europe.com.

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